

SMSgt (Ret.) Rob Rosenberger

Twitter @rsnbrgr

This PDF / ZIP / folder / _____ contains first-generation scans and/or photographs of original UNCLASSIFIED historical papers in the public domain stored in the Air Force Historical Research Agency at Maxwell AFB, Alabama. SMSgt (Ret.) Rob Rosenberger accessioned the enclosed document(s) into his personal collection and he donates this effort to the PUBLIC DOMAIN.

EO 12958: 13 JAN 1975 My accession: 12 OCT 2021 Initials: TR

Title: B-47 ENDURANCE/DISTANCE RECORD FLIGHT, A/C
43D BOMB WING/CC COL. DAVID A. BIRCHINAL

Date(s): 17-19 NOVEMBER 1954

Call: K-WG-43-SU-RE

Volume: N/A

☐ ALL ☒ Selected Papers ☐ Except

FRONT MATTER; PART I, "TESTIMONIALS" IAW UCMJ ART. 31

PART II, "AIRCRAFT INSPECTION + MAINTENANCE RECORDS"

PART III, "REPORTS ON FLIGHT OF B-47 52-062"

1. WEEKLY ACTIVITY REPORT.

2. REPORT ON FLIGHT, SUBMITTED BY: S.D. RUSSELL.

3. POSTFLIGHT INSPECTION OF SYSTEM PRESSURES ON B47 #062.

4. AIRCRAFT FLIGHT REPORT.

PART 4, NAVIGATION RECORDS

PART 5, REFUELING + MISSION RECORDS (11 REFUELS, NOT 9) → TWO TANKS ON TWO REFUELS

(5) & (11) Rtg Completed w/ Tanker from 43 AR (306 TB)

1st TANKER
UNKNOWN

2604	2603
2560	2897

ATR REFUELING LOG

to 17-18-19 Nov 54 Receiver Acft No. 062 Tanker Acft No. 2613 2894

Tanker Unit Designation

434AR

Aircraft Commander	Time of Contact	Time of Dis- connect	Total Time	Pounds of Fuel Transf	Rflg Alt	WET HOOKUPS		Max Int & Ext Cap	Rad Sil	Day	Nite	Total		Type Reand Equip	Day	Nite	RENDEZVOUS				
						Receiver Gross Weight	Max Int Cap					Wet	Dry				Start Reand Time	Line of Sight Sep	Initial Signal Time	Initial Signal Sep	Reand Comp Sep
BURCHINAL (1)	1715	1736 1/2	21 1/2	53,850	18M	13,960	No	No	No	✓		✓	✓	NONE			1500	RENDEZVOUS	0512	125'	1/2 mile
EACHART (2)	0132 1/2	0151	18 1/2	52,400	15M	13,500	✓	✓	✓		✓	✓	✓	NONE	✓		1500	RENDEZVOUS	0512	125'	1/2 mile
BURCHINAL (3)	0343	0612	29	57,080	18M	14,700	✓	✓	✓		✓	✓	✓	APN II	✓		1500	RENDEZVOUS	0512	125'	1/2 mile
BURCHINAL (4)	1038	1055 1/2	17 1/2	53,650	17M	15,300	✓	✓	✓			✓	✓	APN II	✓		1500	RENDEZVOUS	0512	125'	1/2 mile
EACHART (5)	1616	1635	19	47,400	18M	14,500	✓	✓	✓			✓	✓	APN II	✓		1500	RENDEZVOUS	0512	125'	1/2 mile
EACHART (6)	2136	2156	20	50,000	18M	15,000	✓	✓	✓			✓	✓	APN II	✓		1500	RENDEZVOUS	0512	125'	1/2 mile
BURCHINAL (7)	0332 1/2	0339	6 1/2	15,000	18M	11,0350	✓	✓	✓		✓	✓	✓	APN II	✓		1500	RENDEZVOUS	0512	125'	1/2 mile
BURCHINAL (8)	0340	0346 1/2	6 1/2	15,000	18M	11,9860	✓	✓	✓		✓	✓	✓	APN II	✓		1500	RENDEZVOUS	0512	125'	1/2 mile
BURCHINAL (9)	0345	0354	6	27,150	18M	14,800	✓	✓	✓		✓	✓	✓	APN II	✓		1500	RENDEZVOUS	0512	125'	1/2 mile
BURCHINAL (10)	0653	0709	16	44,930	19M	16,400	✓	✓	✓		✓	✓	✓	APN II	✓		1500	RENDEZVOUS	0512	125'	1/2 mile
BURCHINAL (11)	0711	0717	8	10,300	18M	17,700	YES	✓	✓		✓	✓	✓	APN II	✓		1500	RENDEZVOUS	0512	125'	1/2 mile

INSTRUCTIONS

The Aircraft Commander will be responsible for the completion of this form to supplement general entries in the navigation and cruise control logs whenever air refueling and radar rendezvous is attempted and/or completed. This form when applicable will be turned in to squadron operations for processing and forwarding to the Wing Air Training Records Section along with other forms and logs as required by Wing Regulation 50-5, 23 December 1953, as amended.

BOMBING FLIGHT RECORD

DATE

17 NOV 54

RADAR-BOMBARDIER

NAVIGATOR

AIRCRAFT COMMANDER

M.C. Coy F.A.

E. Arhart, P.H.

WING

SQUADRON

CREW NUMBER

43rd

65th

R3520

AIRCRAFT (Type, Model and Serial Number)

RADAR-BOMBSIGHT (Type and Model)

B47E 062

K

BOMB (Size and Type)

FORMATION POSITION (If applicable)

NUMBER OF AIRCRAFT

RBS

BOMBING ALTITUDE COMPUTATIONS

TARGET DESIGNATION

Marrakech

MAG VAR

RADAR ALTITUDE

(+) TERRAIN ELEVATION

TRUE ALTITUDE

(-) TARGET ELEVATION

RADAR BOMBING ALTITUDE

BAROMETRIC PRESSURE

PRESSURE ALTITUDE
OF TARGETINDICATED PRESSURE
ALTITUDEPRESSURE ALTITUDE
ABOVE TARGETBASIC AIR TEMPERA-
TURE(-) COMPRESSION
ERRORTRUE AIR TEMPERA-
TUREGROUND TEMPERA-
TURE °C

MEAN TEMPERATURE

BOMBING ALTITUDE C-2

"Q" FACTOR (If used)

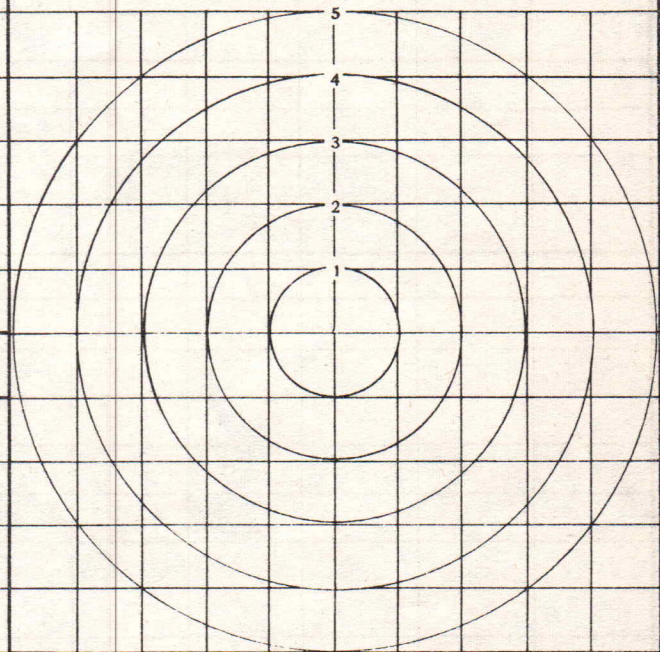
EQUIVALENT AIR SPEED

TRUE AIR SPEED (Knots)

TRAIL

TIME OF FALL OR DISC
SPEED

BOMB PLOT



DIRECTION OF FLIGHT

REMARKS

BOMBING RANGE OR RBS TARGET		MARRAKECH																		
TARGET NUMBER		B	G																	
APPROACH NUMBER		1	2																	
RELEASE NUMBER		1	2																	
RUN TYPE ¹		X	X																	
RUN CLASSIFICATION ²		4	4																	
NUMBER OF BOMBS		-	-																	
O F S E T	AIMING POINT																			
	N/S OR BEARING																			
	E/W OR RANGE																			
BOMBING ALTITUDE (H)		35.2	35.2																	
TRUE AIR SPEED (VA)		424	424																	
TRUE HEADING (AT)																				
TRAIL (Feet or M)		8549	8549																	
TIME OF FALL OR DISC SPEED		53.7	53.7																	
DRIFT																				
TANGENT D/A																				
GROUND SPEED (Knots)																				
O N I N G	DIRECTION (N/S)	S05	S05																	
	VELOCITY (E/W)	E14	E14																	
TIME OF RELEASE		15:54	16:16																	
AIRCRAFT CONTROL		AP	AP																	
METHOD OF RELEASE		AT	AT																	
GRID SCORE		120456	153452																	
E R R O R S	OVER - SHORT																			
	AMOUNT																			
	RIGHT - LEFT																			
	AMOUNT																			
	CIRCULAR																			
SCORING METHOD																				

¹ Use the following code to designate Run Type:

X - Record run
 O - Practice run
 M - Malfunction run
 G - Ground position indicator
 P - Mining
 A - Ground Radar Directed
 S - Shoran bombing

² Use the following code to designate Run Classification:

0 - Synchronous optical
 1 - Radar optical
 2 - Fixed angle radar
 3 - Coordinated radar
 4 - Synchronous (radar direct)
 5 - Synchronous (radar offset)
 6 - Coordinated (optical)
 7 - Fixed angle (optical)
 8 - Other radar
 9 - Synchronous (radar direct with offset checking)
 A - Other visual

BOMBING FLIGHT RECORD

DATE

17 Nov. 54

RADAR-BOMBARDIER

NAVIGATOR

AIRCRAFT COMMANDER

M.C. Coy, F.A.

Earhart, P.H.

WING

SQUADRON

CREW NUMBER

4314

65th

R 35 B0

AIRCRAFT (Type, Model and Serial Number)

RADAR-BOMBSIGHT (Type and Model)

B47 E 062

BOMB (Size and Type)

FORMATION POSITION (If applicable)

NUMBER OF AIRCRAFT

1500# GP

1

BOMBING ALTITUDE COMPUTATIONS

TARGET DESIGNATION

KSAK-SG ROLL K

MAG VAR

10 W

RADAR ALTITUDE

(+) TERRAIN ELEVATION

TRUE ALTITUDE

(-) TARGET ELEVATION

RADAR BOMBING ALTITUDE

32,000

BAROMETRIC PRESSURE

PRESSURE ALTITUDE
OF TARGETINDICATED PRESSURE
ALTITUDE

35,000

PRESSURE ALTITUDE
ABOVE TARGETBASIC AIR TEMPERA-
TURE(-) COMPRESSION
ERRORTRUE AIR TEMPERA-
TUREGROUND TEMPERA-
TURE °C

MEAN TEMPERATURE

BOMBING ALTITUDE C-2

"Q" FACTOR (If used)

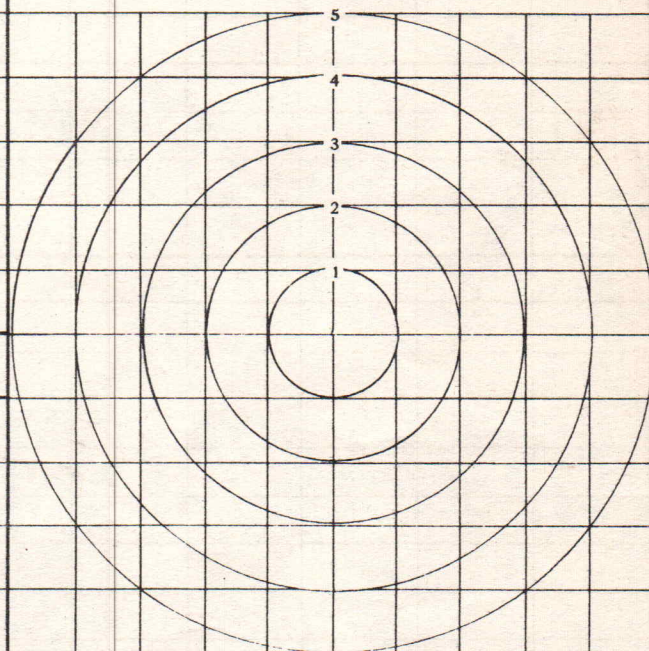
EQUIVALENT AIR SPEED

TRUE AIR SPEED (Knots)

TRAIL

TIME OF FALL OR DISC
SPEED

BOMB PLOT



DIRECTION OF FLIGHT

REMARKS

BOMBING RANGE OR RBS TARGET		Ksar ES	Soak							
TARGET NUMBER										
APPROACH NUMBER		1	2	3	4					
RELEASE NUMBER		1	2	3	4					
RUN TYPE ¹		X	X	X	X					
RUN CLASSIFICATION ²		0	0	0	0					
NUMBER OF BOMBS		1	1	1	1					
OFFSET	AIMING POINT									
	N/S OR BEARING									
	E/W OR RANGE									
BOMBING ALTITUDE (H)		32 m	32 m	32 m	32 m					
TRUE AIR SPEED (VA)		410	410	410	410					
TRUE HEADING (AT)		069	064	063	063					
TRAIL (Feet or M)		3200	3200	3200	3200					
TIME OF FALL OR DISC SPEED		45.65	45.65	45.65	45.65					
DRIFT										
TANGENT D/A										
GROUND SPEED (Knots)										
D W I N	DIRECTION (N/S)	S 03	S 05	S 05	N/S 0					
	VELOCITY (E/W)	E 05	E 08	E 08	W 03					
TIME OF RELEASE		13:53	14:12	14:30	15:05					
AIRCRAFT CONTROL		AP	AP	AP	AP					
METHOD OF RELEASE		K 2	K-2	K-2	K-2					
GRID SCORE										
E R R O R S	OVER - SHORT	0								
	AMOUNT									
	RIGHT - LEFT	R			L					
	AMOUNT									
	CIRCULAR	270'	—	—	440'					
SCORING METHOD		PHOTO	NO PHOTOS	PHOTO						

¹ Use the following code to designate Run Type:

X - Record run

O - Practice run

M - Malfunction run

G - Ground position indicator

P - Mining

A - Ground Radar Directed

S - Shoran bombing

² Use the following code to designate Run Classification:

0 - Synchronous optical

1 - Radar optical

2 - Fixed angle radar

3 - Coordinated radar

4 - Synchronous (radar direct)

5 - Synchronous (radar offset)

6 - Coordinated (optical)

7 - Fixed angle (optical)

8 - Other radar

9 - Synchronous (radar
direct with offset
checking)

A - Other visual

TYPES OF MSNS
#4-TNG. MSN.
#5-TEST HOP
#6-FERRY/MISC.

DATE OF TAKE-OFF
MISSION TYPE

ACFT. NO.

NIGHT TIME

TAKE-OFF
TOTAL TIME

B-47 MISSION ACCOMPLISHMENT FORM

(17NOV) (19NOV)

DAY TIME

1230 LAND 1205

POSITION

AIRCRAFT CO. MANAGER

CO-PILOT

OBSERVER

PRIMARY CREW

SUBSTITUTION - NAME & CREW NO.

BOMBING

SCH COMF
AOB

NAVIGATION

SCH COMF
AOB

AIR REFUELING

SCH

COMPLETED

CREW REQUIREMENTS

SCH COMF

RADAR RBS MAINTENANCE

GPI RADAR RBS MAINTENANCE

RADAR RBS RECORD DIRECT

RADAR RBS RECORD OFFSET

RADAR RBS REC AT 40,000'

RADAR RBS REC W/IRI. PHOTO

VISUAL RBS RECORD

VISUAL RELE/SES RECORD

RADAR CAMERA RUNS RECORD

GPI RADAR CAMERA RUNS REC

VISUAL CAMERA RUNS RECORD

RADAR RBS PRACTICE

VISUAL RBS PRACTICE

VISUAL RELEASES PRACTICE

RADAR CAMERA RUNS PRACTICE

VISUAL CAMERA RUNS PRACTICE

RADAR RELEASES (T-59)

BARRETT, R.H. MAJ (1P)
BURCHINAL, D.O. COL (ALC)

FRANKO, STEVE CAPT

MCCOY, F.A. MAJ

NORMAL GNRV MSNS (ROUNDS FIRED)

COMBAT LOAD MSNS (ROUNDS FIRED)

LRCC MISSIONS

LRCC PERCENT VARIATION

MAX GROSS WEIGHT

STANDBOARD CHECK (WG OR SC)

HRS DEPRESSURIZED FLYING

SIMUL EMER PROCEDURE MISSIONS

PILOT PROFICIENCY

HRS OF PILOT PROFICIENCY

TAKE-OFFS (DAY-NIGHT)

LANDINGS (DAY-NIGHT)

GCA's

TOTAL HRS FORM (Min-3 ACFT)

HAS HI-GIT FORMATION

(Min-3 ACFT-20,000')

43D Form 356, 29 Jun 54 (supersedes 43D Form 356, 12 Dec 54)

PILOT PROFICIENCY	SCH A/C	COLE C/C	PILOT PROFICIENCY (GENERAL)	SCH AC	COLE CC	REFUELING (GENERAL)	SCH A/C	COLE CC	OTHER DRILLS	SCH A/C	COLE CC
INSTRUMENT TAKE-OFF	/		LONG RANGE DESCENT	/		OBSERVE IN-FLIGHT REFUELING CONTACTS (B-47 or KC-97)	/		BAIL-OUT DRILL		
SUPERVISED HEAVY WEIGHT TAKE-OFF	/		AIR-START PROCEDURES	/		SUPERVISED DAY DRY REFUELING CONTACTS	/		CRASH LANDING DRILL		
LAND FULL STOP WITH OUT DROG CHUTE	/		VOR APPROACH	/		SOLO DAY DRY REFUELING CONTACTS	/		DITCHING DRILL		
LANDINGS	/		ADF APPROACH	/		SUPERVISED DAY REFUELING CONTACTS	/		EMERGENCY OPERATION LUG GEAR, WING FLAPS		
SMALL FIVE ENGINE LANDINGS	/		IIS	/		SUPERVISED NITE REFUELING CONTACTS	/		BRAKES & BOWBAY DOORS		
SMALL FOUR ENGINE LANDINGS	/		LETDO N-101 APPROACH	/		SOLO NITE DRY REFUELING CONTACTS	/		ENGINE FIRE DRILL		
SMALL THREE ENGINE GO-AROUNDS	/		JET PENETRATION	/		SUPERVISED NITE REFUELING CONTACTS	/				
SMALL FIVE ENGINE GO-AROUNDS	/		HOOD TIME	/		REFUELING IN-FLIGHT REFUELING CONTACTS	/				
SMALL FOUR ENGINE GO-AROUNDS	/		WEATHER TIME	/			/				
SMALL THREE ENGINE LOW SPEED & SEC. STALL RECOVERY	/		FIGHTER INTERCEPT MSNS	/			/				

REMARKS AND REASONS FOR NON-COMPLETION OF SCHEDULED ITEMS (INCLUDE WORD PICTURE OF MISSION OR OTHER PERTINENT DATA)

I certify that all training indicated as completed on this form to be credited toward SAC Reg 50-8 training requirements was accomplished in accordance with appropriate directives, except as listed in remarks section.

P.H. FARHART MAJ.
ACFT COMMANDER (SIGNATURE)

JAMES EDWARDS MAJ.
OPERATION'S OFFICER (SIGN)

HEADQUARTERS 43RD BOMBARDMENT WING, MEDIUM
Davis-Monthan Air Force Base
Tucson, Arizona

43rd Bomb Wing (B-47) Cross-Check Form

The outline as established by Wing Reg 50-5 will be followed in completing this form.

Aircraft Number 52-062 A/C EARHART Crew No. R-35B0

Date of T/O 17 Nov 54 Total Time 47:35 Mission Type 4

PART I

A. Records to be cross-checked and forwarded to Wing Operations.

	(Initials)	A/C	Wing Staff
1. Mission Accomplishment Form (43rd BWg Form 356).	✓	GO	PP
2. In-Flight Cruise Control log.	✓	GO	PP
3. Navigator's Log (AF Form 21).	✓	GO	PP
4. AF Form 1, Part 1 (duplicate copy).	✓	GO	PP
5. Day Celestial Form "X" (SAC Form 51-11 or	✓	N/A	
6. Certify crew integrity.	✓	GO	PP

PART II

A. Records and logs to be cross-checked and processed as outlined in 43rd Bomb Wing Reg 50-5, par 3d(2).

	(Initials)	A/C	Wing Staff
1. Photo Camera Log, (Radar)(43rd BWg Form 297) (Attached to O-15 Magazine).	✓	GO	✓
2. Photo Camera Log, (Visual)(43rd BWg Form 183) (Attached to O-23 Magazine).	✓	N/A	
3. Night Celestial Form "X" (SAC Form 51-11 or 157).	✓	GO	PP
4. Grid Navigation Form "X" (SAC Form 51-11 or 157).	✓	N/A	
5. AOB's Radar Mission Report.	✓	B	
6. Certify crew integrity.	✓	GO	

FORM

43BW 358

23 DEC 53

Incl 1 to 43BW Reg 50-5, 23 Dec 53

REMARKS: _____

CERTIFICATE: I certify that each entry in the mission accomplishment forms was completed as prescribed in current directives, that each applicable form or log substantiates this accomplishment, and that disposition of the forms and logs available to me has been made in accordance with 43rd Bomb Wing Regulation 50-5.

P. H. Gerhart
Aircraft Commander

James Edwards
Sqn Staff Obs and Sqn Opns Officer